

Notice of Allowability	Application No.	Applicant(s)	
	09/903,092	BOUCHARD ET AL.	
	Examiner	Art Unit	
	Sudhaker B. Patel, D.Sc.Tech.	1624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/20/04.
2. ☒ The allowed claim(s) is/are 1-13 and 15.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>6/21/04</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with ATTY. Dr. Mr. R.S.Parker on 6/21/04.

The application has been amended as follows:

(A). In the claim 15 on page 7 of amendment paper dated 5/20/04, please delete: "[preventing or]".

A handwritten signature in black ink, appearing to be "SBP", with a horizontal line drawn underneath it.

SBP/-6/24/04

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2. The following is an examiner's statement of reasons for allowance:

3. Applicants' communication paper dated 5/20/04 is acknowledged.

4. Applicants have cancelled claim 14, amended claims 1-11,13, and presented new claim 15. Therefore, the claims under consideration are the claims 1-13,15, which are renumbered as claims 1-14.

5. Applicants' above stated cancellation and amendments to claims together with their arguments are sufficient for the withdrawal of the rejections made under 35 U.S.C. 112 paragraph second. Therefore, these rejections are now withdrawn.

6. The cancellation of claim 14 has made the rejections made under 35 U.S.C. 101 & 35 U.S.C. 112 paragraph one respectively moot.

7. The closest prior art of record ref. Tsuchida et al teaches 1,2,3-butanetriol, 4-[6-(hydroxymethyl)-5-(1,2,3-trihydroxypropyl) pyrazinyl]-. Tsuchida differs from the instant compounds by having second chain/bridge as propyl instead of instantly claimed butane bridge, and also the end hydroxyl groups are not esterified by 5 or 6-membered saturated cycloalkyl carboxylic acid groups as claimed herein.

8. The other reference art of record Ratsimanga et al (WO 97 28813) teaches 2,5-di-tetrahydroxybutyl pyrazine (see page 8), and 2-tetrahydroxybutyl-6-trihydroxybutyl pyrazine (see page 10). The ref. '813 differs from the instant compounds by not having the end -OH groups esterified by 5 or 6-membered saturated alkyl ring(s).

9. Neither Tsuchida et al nor ref. '813 indicate or suggest to arrive at the instant invention.

10. Therefore, the instant invention is deemed to be novel and patentably distinct.

11. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sudhaker B. Patel, D.Sc.Tech. whose telephone number is (571) 272-0671.

13. The examiner can normally be reached on 6:30 to 5:00 pm (Monday-Thursday). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Mukund J. Shah can be reached on (571) 272 0674 or Sr. Examiner Mr. Richard Raymond at (571) 272 0673 or Mr. James O. Wilson at (571) 272-0661.

14. The fax phone numbers for the organization where this application or proceeding

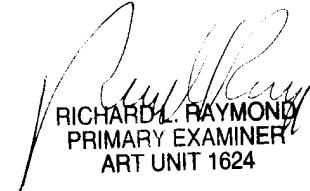
is assigned are 703 308 4556 for regular communications and 703 308 4556 for After

Final communications. Any inquiry of a general nature or relating to the status of this

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application or proceeding should be directed to the receptionist whose telephone number is 703 308 1235. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sudhaker B. Patel, D.Sc. Tech.
June 24, 2004


RICHARD L. RAYMOND
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ART UNIT 1624
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